

**Summary by WHO region ...** 

**Africa ...** 

**The Americas ...** 

**Eastern Mediterranean...** 

**Europe ...** 

**South-East Asia ...** 

**Western Pacific ...** 

# South-East Asia

## NTP MANAGER (OR EQUIVALENT); PERSON FILLING OUT DATA COLLECTION FORM (IF DIFFERENT)

Bangladesh	Vikarunnessa Begum
Bhutan	Lungten Zangmo Wangchuk; Kuenzang Namgyal
DPR Korea	Ri Hyon Chol; Han Man Gap
India	L.S. Singh
Indonesia	Carmelia Basri; Sudarman
Maldives	Shameema Hussain
Myanmar	Win Maung; Thandar Lwin; Aye Thein
Nepal	Pushpa Malla; Sita Ram Ghimire
Sri Lanka	Chandra Sarukkali; Kamal Herath
Thailand	Sriprapa Nateniyom; Suksont Jittimane
Timor-Leste	Constantino Lopes

**This list shows the people named on the data collection form sent to WHO in 2006, not necessarily the current NTP manager. It is intended as an acknowledgement rather than a directory.**

## SOUTH-EAST ASIA: SUMMARY OF TB CONTROL POLICIES

	DOTS COVERAGE, %	NTP MANUAL	SMEAR MICROSCOPY FOR DIAGNOSIS	STANDARDIZED CHEMOTHERAPY	DOT	MONITORING OUTCOMES	CASES NOTIFIED BY TYPE, AGE & SEX	2004 COHORT OUTCOMES REPORTED: NEW, RETREATMENT	SMEAR MICROSCOPY FREE-OF-CHARGE	DRUGS FREE-OF-CHARGE	UNINTERRUPTED DRUG SUPPLY	EQA FOR SMEAR MICROSCOPY	STRATEGIC HRD PLAN	TB CONTROL IN CURRICULA OF DOCTORS AND NURSES	UP-TO-DATE JOB DESCRIPTIONS	GUIDELINES FOR PRIVATE PRACTITIONERS	PUBLIC PROVIDERS NOTIFIED/REFERRED	PRIVATE PROVIDERS NOTIFIED/REFERRED	ISTC PROMOTED IN 2006	HEALTH SYSTEM STRENGTHENING IN PLAN	PAL IN PLAN	COMMUNITY-BASED TB CARE	PATIENTS' CHARTER PROMOTED IN 2006	OPERATIONAL RESEARCH	MDR-TB MGMT. IN LINE WITH WHO GUIDELINES	HIV COUNSELLING & TESTING	SURVEILLANCE OF HIV PREV. IN TB PTS	
BANGLADESH	99	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
BHUTAN	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
DPR KOREA	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
INDIA	91	■	■	■	■	■	■	■	■	■	●	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
INDONESIA	98	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
MALDIVES	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
MYANMAR	95	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
NEPAL	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SRI LANKA	98	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
THAILAND	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
TIMOR-LESTE	85	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SEAR	93	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

DOT indicates directly observed treatment; EQA, external quality assurance; HRD, human resources development; ISTC, International Standards for Tuberculosis Care; PAL, Practical Approach to Lung Health; prev., prevalence. First number in final row shows regional coverage; remaining numbers show the proportion of countries for which the answer is "yes" or "all" (i.e. those shown in dark green in the table).

■ Yes/all ● Some/partially ▲ Answer not provided NA Not applicable. See explanatory notes on page 163 for details of colour-coding.

Table A2.1 Estimated burden of TB, South-East Asia, 1990 and 2005

	Incidence, 1990				Prevalence, 1990				Incidence, 2005				Prevalence, 2005				TB mortality, 2005				HIV prevalence in adult, incident TB cases (%)				
	All forms* number	Smear-positive* number	All forms* rate	All forms* number	Smear-positive* number	All forms* rate	All forms* number	Smear-positive* number	All forms* rate	All forms* number	Smear-positive* number	All forms* rate	All forms* number	Smear-positive* number	All forms* rate	All forms* number	Smear-positive* number	All forms* rate	All forms* number	Smear-positive* number		All forms* rate			
Bangladesh	274 460	264	123 507	119	655 607	630	78 904	76	321 996	227	183	≤ 1	144 880	102	64	≤ 1	575 391	406	92	≤ 1	66 423	47	79	≤ 1	0.1
Bhutan	3 340	203	1 503	92	6 146	374	649	40	2 219	103	3	≤ 1	998	46	1	≤ 1	3 757	174	2	≤ 1	412	19	1	≤ 1	0.2
DPR Korea	35 004	178	15 752	80	84 350	428	11 559	59	39 978	178	—	—	17 990	80	—	—	40 172	179	—	—	3 015	13	—	—	—
India	1 425 475	168	639 342	75	4 842 185	570	359 279	42	1 851 661	168	65 845	6	826 663	75	23 046	2	3 299 197	299	32 923	3	322 322	29	19 644	2	5.2
Indonesia	621 955	343	279 880	154	799 077	440	165 387	91	532 871	239	2 883	1	239 504	108	1 009	≤ 1	563 924	262	1 441	≤ 1	91 663	41	1 024	≤ 1	0.8
Maldives	306	142	138	64	326	151	17	8	155	47	—	—	70	21	—	—	175	53	—	—	11	3	—	—	—
Myanmar	69 663	171	31 068	76	169 902	417	20 286	50	86 345	171	4 132	8	38 442	76	1 446	3	86 108	170	2 066	4	7 523	15	465	≤ 1	7.1
Nepal	46 445	243	20 863	109	118 655	621	9 773	51	48 842	180	1 025	4	21 876	81	369	1	66 168	244	512	2	6 305	23	228	≤ 1	3.1
Sri Lanka	10 760	60	4 842	27	19 365	109	1 841	10	12 549	60	20	≤ 1	5 645	27	7	≤ 1	16 571	80	10	≤ 1	1 622	8	5	≤ 1	0.2
Thailand	77 727	142	34 426	63	193 918	355	14 751	27	91 374	142	4 693	7	40 649	63	1 643	3	131 023	204	2 347	4	12 191	19	1 135	2	7.6
Timor-Leste	4 112	556	1 850	250	8 881	1 200	932	126	5 261	556	—	—	2 368	250	—	—	6 756	713	—	—	835	88	—	—	—
<b>SEAR</b>	<b>2 569 237</b>	<b>199</b>	<b>1 153 169</b>	<b>89</b>	<b>6 898 413</b>	<b>535</b>	<b>663 378</b>	<b>51</b>	<b>2 993 252</b>	<b>181</b>	<b>78 784</b>	<b>5</b>	<b>1 339 085</b>	<b>81</b>	<b>27 574</b>	<b>2</b>	<b>4 809 232</b>	<b>290</b>	<b>39 392</b>	<b>2</b>	<b>512 322</b>	<b>31</b>	<b>22 560</b>	<b>1</b>	<b>3.9</b>

— Indicates no estimate.

\* Incidence, prevalence and mortality estimates include patients with HIV. Estimates labelled "HIV+" are estimates of TB in HIV-positive adults (aged 15-49 years). Estimates for all years are re-calculated as new information becomes available and techniques are refined, so they may differ from those published previously. See Explanatory notes on page 163 for further details. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.2 Whole country case notifications and case detection rates, South-East Asia, 2005

Country	TB cases notified from whole country (DOTS + non-DOTS)												Incidence and case detection rates				Proportions				
	Country total		New and relapse (WHO total)		New pulmonary		New extra-pulmonary		Re-treatment cases		New pulm. lab. confirm.		Estimated incidence all forms	Case detection rate all new	ss+ (% of pulm.)	ss+ (% of new+relapse)	Extrapulm. (% of new+relapse)	Re-treat. (% of new+relapse)			
	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	%	%	%	%				
Bangladesh	141 822	123 118	87	84 848	60	23 076	11 318	3 876	0	0	0	84 848	37	59	79	69	9	3			
Bhutan	2 163	1 018	1 007	308	14	272	387	40	7	4	308	44	31	53	31	31	38	5			
DPR Korea	22 488	50 474	42 722	190	17 996	79	18 123	5 381	58	1 364	1 524	17 796	103	99	50	42	13	18			
India	1 103 371	1 304 828	1 156 248	105	508 890	46	399 066	171 838	1 381	75 073	17 764	508 890	58	62	56	44	15	17			
Indonesia	222 781	254 601	254 601	114	158 640	71	85 373	6 142	0	4 446	158 640	47	66	65	62	2	2	2			
Maldives	329	123	122	37	66	20	23	0	0	1	89	70	76	74	54	24	4	4			
Myanmar	50 519	107 991	107 009	212	36 541	72	35 601	30 252	962	316	36 601	86 345	119	95	51	34	28	5			
Nepal	27 133	37 077	33 448	123	14 617	54	9 474	7 013	0	313	14 617	48 842	64	67	61	44	21	9			
Sri Lanka	20 743	9 695	9 249	45	4 868	23	2 198	1 917	0	266	5 358	12 549	72	86	69	53	21	5			
Thailand	64 233	57 895	57 895	90	29 762	46	18 837	7 501	1 795	0	29 762	91 374	61	73	61	51	13	3			
Timor-Leste	947	3 783	3 767	398	1 035	109	2 142	554	4	12	1 035	5 261	71	44	33	27	15	1			
<b>SEAR</b>	<b>1 656 529</b>	<b>1 950 603</b>	<b>1 789 186</b>	<b>108</b>	<b>857 371</b>	<b>52</b>	<b>594 185</b>	<b>242 332</b>	<b>14 39</b>	<b>89 413</b>	<b>19 670</b>	<b>74 643</b>	<b>68 348</b>	<b>202</b>	<b>857 944</b>	<b>2 993 252</b>	<b>1 339 085</b>	<b>57</b>	<b>64</b>	<b>14</b>	<b>13</b>

ss+ indicates sputum smear-positive; ss-, sputum smear-negative; unk., sputum smear result unknown; re-treat., re-treatment; pulm.lab. confirmed, pulmonary case confirmed by positive smear or culture. See Explanatory notes on page 163 for further details. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.3 DOTS coverage, case notifications and case detection rates, South-East Asia, 2005

	TB cases reported from DOTS services												Estimated incidence and case detection rate				Proportions			
	New and relapse (WHO total)		New pulmonary		New extra-pulmonary		Other new		Re-treatment cases		Relapse After failure		Other re-treat.		New pulm. lab. confirm.		ss+ (% of pulm.)	ss+ (% of new+relapse)	Extrapulm. (% of new+relapse)	Re-treat. (% of new+re-treat.)
	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate				
Bangladesh	123 118	87	84 848	60	23 076	11 318	3 876	0	0	0	0	1	0	84 848	37	59	79	69	9	3
Bhutan	1 007	47	308	14	272	387	40	7	4	0	0	0	0	2 219	44	31	53	31	38	5
DPR Korea	42 722	190	17 796	79	18 123	5 381	1 364	1 524	1 018	5 210	0	0	0	39 978	103	99	50	42	13	18
India	1 146 599	104	506 852	46	392 390	170 948	1 381	75 028	17 764	58 642	0	4 446	0	1 851 661	58	61	56	44	15	17
Indonesia	254 601	114	158 640	71	85 373	6 142	0	0	0	0	0	0	532 871	47	66	65	62	2	2	2
Maldives	100	122	37	66	20	23	4	0	0	0	0	0	155	70	94	74	54	24	4	4
Myanmar	107 009	212	36 541	72	35 601	30 252	4 615	982	316	0	0	0	86 345	119	95	51	34	28	5	5
Nepal	33 448	123	14 617	54	9 474	7 013	2 344	313	0	0	0	0	48 842	64	67	61	44	21	9	9
Sri Lanka	9 208	44	4 841	23	2 191	1 913	0	263	55	186	0	189	12 549	71	86	69	53	21	5	5
Thailand	57 895	90	29 762	46	18 837	7 501	1 795	0	0	0	0	0	91 374	61	73	61	51	13	3	3
Timor-Leste	3 767	398	1 035	109	2 142	554	36	4	12	0	0	0	5 261	71	44	33	27	15	1	1
<b>SEAR</b>	<b>1 779 496</b>	<b>107</b>	<b>855 306</b>	<b>52</b>	<b>587 502</b>	<b>241 438</b>	<b>1 439</b>	<b>89 365</b>	<b>19 670</b>	<b>74 604</b>	<b>68 299</b>	<b>189</b>	<b>855 879</b>	<b>2 993 252</b>	<b>56</b>	<b>64</b>	<b>59</b>	<b>48</b>	<b>14</b>	<b>13</b>

ss+ indicates sputum smear-positive; ss-, sputum smear-negative; unk., sputum smear result unknown; re-treat., re-treatment; pulm.lab. confirmed, pulmonary case confirmed by positive smear or culture. See Explanatory notes on page 163 for further details. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.4 Laboratory services, collaborative TB/HIV activities and management of MDR-TB, South-East Asia, 2004–2005

	Collaborative TB/HIV activities																		
	Laboratory services, 2005					2004					2005								
	number of smear	number of labs working with culture	number of labs working with NTP DST	number of labs included in EQA	TB pts tested for HIV	TB pts HIV-positive	TB pts HIV-negative	TB pts CPT	TB pts ART	TB pts tested for HIV	TB pts HIV-positive	TB pts HIV-negative	TB pts CPT	TB pts ART	Lab-confirmed MDR	DST in new cases	MDR in new cases	Re-treatment DST	Re-treatment MDR
Bangladesh	635	2	0	22	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0
Bhutan	29	1	0	28	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPR Korea	266	3	3	220	250	0	0	0	0	0	0	0	0	0	2	2	2	3	0
India	11 813	5	5	11 466	29 617	6 414	0	0	29 617	6 414	0	0	0	0	33	0	0	0	0
Indonesia	3 320	41	22	3 294	2 109	611	1	1	2 109	611	0	0	0	0	0	0	0	0	0
Maldives	18	2	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Myanmar	310	2	1	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nepal	380	2	2	380	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sri Lanka	151	1	1	149	0	0	0	0	0	0	0	0	0	0	32	659	7	417	25
Thailand	846	40	8	846	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Timor-Leste	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>SEAR</b>	<b>17 789</b>	<b>99</b>	<b>42</b>	<b>16 425</b>	<b>250</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>31 976</b>	<b>7 028</b>	<b>305</b>	<b>190</b>	<b>67</b>	<b>661</b>	<b>9</b>	<b>420</b>	<b>25</b>	<b>0</b>	<b>0</b>

ART indicates antiretroviral therapy; CPT, co-trimoxazole preventive therapy; DST, drug susceptibility testing; EQA, external quality assurance; HIV+, HIV-positive; pts, patients. See Explanatory notes on pages 163 for further details. Some countries provided the number of TB patients found to be HIV-positive, but did not provide the number of TB patients tested. The regional total of TB patients tested is therefore lower than the number of patients actually tested, and cannot be used to calculate a regional estimate of HIV prevalence in TB patients. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.5 Treatment outcomes, South-East Asia, 2004 cohort

	New smear-positive cases, DOTS										New smear-positive cases, non-DOTS										Smear-positive re-treatment cases, DOTS													
	Number of cases					% of cohort					Number of cases					% of cohort					Number					% of cohort								
	Notified	Regist'd	of notif regist'd	Compl- eted	Trans- ferred	Not eval.	Success	Died	Failed	Default	Trans- ferred	Not eval.	Success	Notified	Regist'd	of notif regist'd	Compl- eted	Trans- ferred	Not eval.	Success	Died	Failed	Default	Trans- ferred	Not eval.	Success	Regist'd	Cured	Compl- eted	Died	Failed	Default	Trans- ferred	Not eval.
Bangladesh	62 694	62 694	100	88	1	4	1	3	2	1	90															4 305	76	5	4	3	6	4	2	81
Bhutan	356	375	105	78	5	4	1	0	0	7	83															45	71	11	2	9	0	7	0	82
DPR Korea	18 479	18 479	100	84	5	2	3	3	0	0	89															9 342	63	12	5	12	4	4	0	75
India	465 518	465 518	100	84	2	4	2	7	0	0	86		23 677	23 677	100	4	1	0	0	2	0	93	5			186 726	50	23	7	4	15	1	0	73
Indonesia	128 981	128 981	100	81	8	3	1	5	2	0	90															4 429	62	20	4	3	7	4	0	82
Maldives	66	66	100	95	3	3					95															5	80	0	20	0	0	0	0	80
Myanmar	31 408	31 413	100	75	8	6	2	6	2	0	84		0													6 012	60	14	9	5	8	4	0	74
Nepal	14 614	14 614	100	86	2	5	2	3	2	0	87															2 821	80	2	6	5	7	1	0	81
Sri Lanka	3 928	3 928	100	84	2	5	1	8	1	0	85		374	374	100	61	20	5	1	10	2	1	81		397	64	4	7	2	20	2	0	69	
Thailand	28 421	28 421	100	70	4	9	2	6	4	5	74															2 240	51	5	10	6	7	4	17	56
Timor-Leste	1 014	1 000	99	67	13	5	1	9	6	0	80															42	83	5	7	0	5	0	0	88
<b>SEAR</b>	<b>755 479</b>	<b>755 489</b>	<b>100</b>	<b>83</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>87</b>		<b>24 051</b>	<b>24 051</b>	<b>100</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>92</b>	<b>6</b>			<b>226 364</b>	<b>52</b>	<b>22</b>	<b>7</b>	<b>5</b>	<b>14</b>	<b>1</b>	<b>0</b>	<b>73</b>	

Not eval. indicates not evaluated (percentage of registered cases for which outcomes were not recorded); success, sum of cured and completed; cases regist'd, the denominator for calculating treatment outcomes. The number of cases registered for treatment in 2004 is used as the denominator for calculating treatment outcomes unless it is less than the sum of outcomes, in which case the sum of outcomes is used. If the number of cases registered is not reported, then the number of cases notified in 2004 is used, or the sum of outcomes if the latter is greater. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.6 Re-treatment outcomes, South-East Asia, 2004 cohort

	Relapse, DOTS							After failure, DOTS							After default, DOTS													
	Number regist'd		Compl-eted		Died		Failed		Trans-ferred		Not eval.		Success		Number regist'd		Compl-eted		Died		Failed		Trans-ferred		Not eval.		Success	
Bangladesh	3 213	77	5	4	2	5	5	3	82																			
Bhutan	31	77	10	0	13	0	0	0	87																			
DPR Korea	1 663	68	11	3	10	4	4	0	79																			
India	62 228	69	5	7	5	13	1	0	75																			
Indonesia																												
Maldives	5	80		20				0	80																			
Myanmar	4 682	65	11	9	4	7	3	0	77																			
Nepal	2 122	82	1	6	3	8	0	0	83																			
Sri Lanka	199	68	4	9	3	14	3	0	72																			
Thailand	1 704	51	5	9	4	6	3	22	56																			
Timor-Leste																												
<b>SEAR</b>	<b>75 847</b>	<b>69</b>	<b>6</b>	<b>7</b>	<b>5</b>	<b>12</b>	<b>1</b>	<b>1</b>	<b>75</b>	<b>19 732</b>	<b>55</b>	<b>8</b>	<b>8</b>	<b>13</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>63</b>	<b>70 547</b>	<b>63</b>	<b>7</b>	<b>4</b>	<b>18</b>	<b>1</b>	<b>0</b>	<b>70</b>	<b>0</b>	

Not eval. indicates not evaluated (percentage of registered cases for which outcomes were not recorded); success, sum of cured and completed, cases regist'd, the denominator for calculating treatment outcomes. The number of cases registered for treatment in 2004 is used as the denominator for calculating treatment outcomes unless it is missing or is less than the sum of outcomes, in which case the sum of outcomes is used. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.7 DOTS treatment success and case detection rates, South-East Asia, 1994–2005

	DOTS new smear-positive treatment success (%)														DOTS new smear-positive case detection rate (%)													
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2004	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005					
Bangladesh	73	71	72	78	80	81	83	84	84	85	90	90	7	15	19	24	25	26	28	32	38	44	59					
Bhutan	71	97	96	85	90	85	90	93	86	90	83	83	29	25	24	23	27	31	33	34	34	35	31					
DPR Korea					91	94	91	91	88	88	89	89	0	1	1	2	2	26	54	81	92	103	99					
India	83	79	79	82	84	82	84	85	87	86	86	86	0	1	1	2	7	12	24	31	45	57	61					
Indonesia	94	91	81	54	58	50	87	86	86	87	90	90	1	4	7	12	19	20	22	31	38	53	66					
Maldives	95	97	93	94	94	94	97	97	95	91	95	95	102	99	93	90	94	73	70	74	88	90	94					
Myanmar		66	79	82	82	81	82	81	81	81	84	84		26	26	29	32	48	56	65	73	83	95					
Nepal		85	87	89	87	86	88	86	86	87	87	87		5	11	16	44	57	58	61	66	67	67					
Sri Lanka	77	79	80	76	76	84	77	80	81	81	85	85	59	57	67	71	73	63	68	66	66	70	86					
Thailand			78	62	68	77	69	75	74	73	74	74		0	5	21	39	46	72	65	71	70	73					
Timor-Leste							73	81	81	81	80	80								56	50	46	44					
<b>SEAR</b>	<b>80</b>	<b>74</b>	<b>77</b>	<b>72</b>	<b>72</b>	<b>73</b>	<b>83</b>	<b>84</b>	<b>85</b>	<b>85</b>	<b>87</b>	<b>87</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>8</b>	<b>14</b>	<b>19</b>	<b>27</b>	<b>34</b>	<b>45</b>	<b>57</b>	<b>64</b>					

Treatment success, sum of cured and completed; DOTS new smear-positive case detection rate, notified (new and relapse) cases divided by estimated incident cases. The table includes updated information; data shown here may differ from those published in previous reports. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.8 New smear-positive case notification by age and sex, absolute numbers, DOTS and non-DOTS, South-East Asia, 2005

	Male						Female						All						Male/female ratio			
	0-14	15-24	25-34	35-44	45-54	55-64	65+	0-14	15-24	25-34	35-44	45-54	55-64	65+	0-14	15-24	25-34	35-44		45-54	55-64	65+
Bangladesh	524	8 170	10 443	11 423	11 038	8 476	7 453	751	6 776	6 785	5 538	3 980	2 281	1 230	1 275	14 946	17 228	16 961	14 988	10 757	8 683	2.1
Bhutan	1	47	58	26	23	14	12	9	45	38	13	11	9	2	10	92	96	39	34	23	14	1.4
DPR Korea	167	1 409	2 422	2 688	2 040	1 185	485	166	1 127	1 756	1 890	1 381	764	336	333	2 536	4 178	4 578	3 421	1 949	821	1.4
India	3 185	62 620	74 678	76 870	64 843	43 038	24 726	6 292	45 136	45 628	28 577	17 042	10 513	5 408	9 477	107 756	120 307	105 447	81 885	53 551	30 134	2.2
Indonesia	846	15 215	20 906	18 401	17 847	13 509	6 390	946	13 916	16 393	13 022	10 927	7 539	2 783	1 792	29 131	37 299	31 423	28 774	21 048	9 173	1.4
Maldives	0	9	8	5	6	6	5	1	10	7	1	2	2	4	1	19	15	6	8	8	9	1.4
Myanmar	132	3 401	5 877	5 888	4 585	2 557	1 764	147	2 376	3 047	2 563	2 101	1 218	885	279	5 777	8 924	8 451	6 686	3 775	2 649	2.0
Nepal	148	1 946	1 685	1 722	1 806	1 759	820	195	1 208	1 111	797	668	532	230	343	3 154	2 796	2 519	2 464	2 291	1 050	2.1
Sri Lanka	9	341	520	724	918	657	424	19	295	261	189	200	154	130	28	636	781	913	1 118	811	554	2.9
Thailand	44	1 344	3 814	4 393	4 003	2 831	3 407	57	907	1 662	1 334	1 367	1 259	1 938	101	2 251	5 476	5 727	5 370	4 090	5 345	2.3
Timor-Leste	8	136	149	116	119	52	47	8	127	90	76	60	18	29	16	263	239	192	179	70	76	1.5
<b>SEAR</b>	<b>5 064</b>	<b>94 638</b>	<b>120 560</b>	<b>122 256</b>	<b>107 228</b>	<b>74 084</b>	<b>45 533</b>	<b>8 591</b>	<b>71 923</b>	<b>76 779</b>	<b>54 000</b>	<b>37 709</b>	<b>24 289</b>	<b>12 975</b>	<b>13 655</b>	<b>166 561</b>	<b>197 339</b>	<b>176 256</b>	<b>144 937</b>	<b>98 373</b>	<b>58 508</b>	<b>2.0</b>

For some countries, breakdown of notified cases by age and sex is missing, or is provided for a subset of cases. See Explanatory notes on page 164 for further details. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)



Table A2.10 Number of TB cases notified, South-East Asia, 1980–2005

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Bangladesh	39 774	42 644	49 870	52 961	45 679	41 802	45 599	45 355	44 280	45 191	48 673	56 052	31 400	54 001	48 276	56 437	63 471	63 420	72 256	79 339	75 657	76 302	81 963	88 156	98 336	123 118
Bhutan	1 539	2 657	720	1 017	904	1 073	1 582	608	1 126	1 525	1 154	996	140	108	1 159	1 299	1 271	1 211	1 292	1 174	1 140	1 037	1 089	1 026	988	1 007
DPR Korea																			11 050	12 287	34 131	29 284	40 159	41 810	44 602	42 722
India	705 600	769 540	923 085	1 075 098	1 109 310	1 168 804	1 279 536	1 403 122	1 457 288	1 510 500	1 519 182	1 555 353	1 121 120	1 081 279	1 114 374	1 218 183	1 290 343	1 132 859	1 102 002	1 218 743	1 115 718	1 085 075	1 060 951	1 073 282	1 136 182	1 156 248
Indonesia	25 235	32 461	33 000	31 809	32 432	17 681	16 750		97 505	105 516	74 470	60 808	98 458	62 966	49 647	35 529	24 647	22 184	40 497	69 064	84 591	92 792	155 188	174 174	210 229	254 601
Maldives	73	112	111	143	123	91	111	115	85	203	152	123	92	175	249	231	212	173	176	153	132	139	125	137	119	122
Myanmar	12 744	12 461	12 069	11 012	11 045	10 506	10 840	11 986	9 348	10 940	12 416	14 905	17 000	19 009	15 583	18 229	22 201	17 122	14 756	19 626	30 840	42 838	57 012	75 744	86 662	107 009
Nepal	1 020	337	1 459	700	190	52	252	1 012	1 603	11 003	10 142	8 983	6 802	13 161	15 572	19 804	22 970	24 158	24 135	27 356	29 519	29 519	30 359	30 825	31 979	33 448
Sri Lanka	6 212	6 288	7 334	6 666	6 376	5 889	6 596	6 411	6 092	6 429	6 666	6 174	6 802	6 809	6 132	5 956	5 366	6 542	6 925	7 157	8 413	7 489	8 939	8 998	8 562	9 249
Thailand	45 704	49 452	48 553	65 413	69 240	77 611	52 152	51 835	50 021	44 553	46 510	43 858	47 697	49 668	47 767	45 428	39 871	30 262	15 850	29 413	34 187	49 656	49 581	54 504	55 306	57 895
Timor-Leste	0																						2 760	2 760	3 716	3 767
SEAR	837 901	915 952	1 076 211	1 244 819	1 275 299	1 323 509	1 413 418	1 520 444	1 667 348	1 735 860	1 719 365	1 747 252	1 322 709	1 287 176	1 298 759	1 401 096	1 470 352	1 308 981	1 279 041	1 464 312	1 414 228	1 414 141	1 488 126	1 551 516	1 686 681	1 789 186
Number reporting	10	9	9	9	9	9	9	8	9	9	9	9	8	9	9	9	9	10	10	10	10	10	11	11	11	11
% reporting	91	82	82	82	82	82	82	73	82	82	82	82	73	82	82	82	82	91	91	91	91	91	100	100	100	100

From 1985 on, number shown is all notified new and relapse cases (DOTS and non-DOTS). The table includes updated information; data shown here may differ from those published in previous reports. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.11 Case notification rates, South-East Asia, 1980-2005

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Bangladesh	48	51	58	60	50	45	48	47	45	44	47	53	29	48	42	48	53	52	58	63	59	58	61	65	71	87
Bhutan	119	201	53	74	64	74	106	40	72	95	70	60	8					67	70	62	59	52	54	50	47	47
DPR Korea																		52	5	57	156	133	181	188	199	190
India	102	109	128	146	148	153	164	176	179	181	179	179	127	120	121	130	135	117	112	121	109	105	101	100	105	105
Indonesia	17	21	21	20	20	11	10	10	56	59	41	33	53	33	26	18	12	11	20	33	40	44	72	80	96	114
Maldives	46	69	66	83	69	50	59	59	42	97	70	55	40	74	102	92	82	65	64	54	45	47	41	44	37	37
Myanmar	38	36	34	31	30	28	29	31	24	27	30	36	40	44	36	41	49	37	32	42	65	89	117	153	183	212
Nepal	7	2	9	4	1	0	1	6	9	59	53	46	64	64	74	91	103	106	103	115	121	118	119	119	120	123
Sri Lanka	41	41	47	42	39	36	39	38	35	37	37	34	37	37	33	32	28	34	36	36	42	37	44	44	42	45
Thailand	99	105	101	134	139	153	101	99	94	83	85	79	85	87	83	78	68	51	26	48	56	80	79	86	87	90
Timor-Leste																										
SEAR	80	85	98	111	112	113	119	125	134	137	133	133	99	94	93	99	102	89	86	97	92	91	94	96	103	108

Rates are per 100 000 population. The table includes updated information; data shown here may differ from those published in previous reports. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.12 New smear-positive cases notified, numbers and rates, South-East Asia, 1993–2005

	Number of cases																	Rate (per 100 000 population)																
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005								
Bangladesh	18 983	1 710	20 524	29 674	33 117	37 737	37 821	38 484	40 777	46 811	53 618	62 694	84 848	17	2	18	25	27	30	30	30	31	35	39	45	60								
Bhutan		352	367	308	284	270	315	347	359	364	360	356	308		21	21	17	16	15	17	18	18	18	17	17	14								
DPR Korea					3 980	403	5 073	16 440	14 429	18 576	17 392	18 479	17 796					19	2	23	75	66	84	78	83	79								
India	225 256	226 543	264 515	290 953	274 877	278 275	345 150	349 374	384 827	395 833	433 564	489 195	508 890	25	25	28	31	28	28	34	34	37	38	40	45	46								
Indonesia	62 966	49 647	31 768	11 790	19 492	32 280	49 172	52 338	53 965	76 230	92 566	128 981	158 640	33	26	16	6	10	16	24	25	25	36	43	59	71								
Maldives	126	125	114	106	95	88	88	85	59	60	68	66	66	53	51	45	41	36	32	31	22	20	20	22	21	20								
Myanmar		946	8 681	9 716	9 695	10 089	11 458	17 254	21 161	24 162	27 448	31 408	36 541		2	20	21	21	22	24	36	44	49	55	63	72								
Nepal	6 679	10 442	8 591	10 365	11 323	13 410	13 683	13 714	13 683	13 714	14 348	14 614	14 617	32	49	40	47	50	48	56	56	55	54	55	55	54								
Sri Lanka	3 335	3 405	3 049	2 958	3 506	3 761	3 911	4 314	4 316	4 297	4 321	4 302	4 868	18	18	16	16	18	19	20	22	22	21	21	21	23								
Thailand		20 260	20 273	16 997	13 214	7 962	14 934	17 754	28 363	25 593	28 459	28 421	29 762		35	35	29	22	13	25	29	46	41	45	45	46								
Timor-Leste										1 090	1 027	1 014	1 035										141	124	114	109								
<b>SEAR</b>	<b>317 355</b>	<b>313 430</b>	<b>357 882</b>	<b>372 867</b>	<b>369 583</b>	<b>382 171</b>	<b>481 332</b>	<b>510 053</b>	<b>561 939</b>	<b>608 730</b>	<b>673 171</b>	<b>779 530</b>	<b>887 371</b>	<b>23</b>	<b>23</b>	<b>25</b>	<b>26</b>	<b>25</b>	<b>26</b>	<b>32</b>	<b>33</b>	<b>36</b>	<b>38</b>	<b>42</b>	<b>48</b>	<b>52</b>								

Rates are per 100 000 population. The table includes updated information; data shown here may differ from those published in previous reports. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

# Notes

## **Bhutan**

The population estimate used by the NTP (0.67 million) differs from that of the United Nations Population Division (2.16 million). Using the smaller population estimate gives a notification rate for new smear-positive cases of 46 per 100 000 population, and a smear-positive case detection rate of 99%.

## **Thailand**

Breakdown of cases by age and sex not provided for cases notified by Bangkok Metropolitan Administration.